

Hamlet Digi Gen™

Index

Rack Mountable Standard Definition SDI, Composite Video and Audio Signal Generator



The Digi Gen Index is a simple to use multiformat video generator for use in control rooms and facilities where racking is available. The unit includes SD SDI and composite video generation with embedded audio and either AES/EBU or analog audio outputs. 16 video test signals are available for each of the outputs in digital this can be 525 or 625 and in analog either NTSC or PAL, including pathological, overlaid circles, moving pattern path activity signal, CRC codes, audio group selection audio line up tones, with or without an ident and a 16 character set alpha/numeric ident which is scrollable.

Features and Functions

- Multi Standard SD SDI, and Composite video generation.
- Embedded Audio.
- AES/EBU or Single channel Analog Audio.
- 1U high full width rack case.
- FF CRC, pathological digital test signals.
- Y, C, both, text, circle, moving pattern signal continuity test.
- 16 test patterns: 100% Bars, 75% Bars, Split Bars, Bowtie, Sweep, Pluge, Multi, Pulse & Bar, Modulated Steps, White Screen, Red Screen, Convergence, Split equaliser/pll test pattern, Ramp, Limit Ramp, Optional pattern*.
- User program 16 alphanumeric ident scrollable.
- Audio selectable on all groups 1 thru 4.
- 110 –240V mains powered IEC connector.

*** Features available as options (see options list below)**

This product contains proprietary patented designs

TECHNICAL SPECIFICATION

OUTPUTS

Serial digital BNC connector. Output impedance 75 ohms. SMPTE. 259M, ITU-R BT.601/656 serial component. 800mV pp.
Full 10 bit pattern generation.
Addition of CRC checksum word.
Addition of embedded tone at -18db.
Composite BNC connectors. Output impedance 75 ohms. 1 volt p/p +/- 1% PAL, NTSC or PALM from 9 bit dac.
Differential gain and phase +/- 1% and +/- 1 deg.
Sch phase 0 +/- 5 deg.
Audio 3 pin xlr plug.
Analog: 1KHz tone 0db to +8db balanced to 600 ohms Thd <0.5%.
Digital: AES/EBU encoded 1KHz tone, balanced output to 110 ohms.
Frequency The crystal master oscillator is accurate to better than +/- 15ppm.

POWER

Current draw is 600mA.
Mains supply 240-110VAC +/-20% 50/60Hz 10VA max.

ENVIRONMENT

Indoor use, 5 to 45 deg.C. Ambient to 2,000m.
Max humidity 80% to 31 deg.C decreasing to 50% at 40 deg.C.
Overvoltage category 2. Pollution degree 1.

PHYSICAL

DIMENSIONS: - 490mm x 250mm x 45mm.

WEIGHT: - 3Kg.

WARRANTY: - 1 Year.
Extendable free on registration: - To 2 Years

ORDERING INFORMATION

DIGI GEN Index - R

Rack mountable serial SD SDI 601 and composite video with 16 test signals and embedded, AES/EBU audio generator

* **Features available as options (see options list below)**

OPTIONS	
Digigen - CP	Customised pattern

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